I CLAIM:

1. A control device for rotating a tube supporting a roller member to be wound onto or unwound from said tube, said device comprising at least an electric motor housed in said supporting tube and drive means comprising a reduction gear unit for transmitting the rotation from said motor to said supporting tube, wherein said electric motor comprises at least four poles.

2. A control device as claimed in claim 1 wherein said electric motor is a three-phase electric motor and said device incorporates an electronic unit for supplying electric power in a controlled manner to said motor.

3. A control device as claimed in claim 2, wherein said drive means comprises a single-stage mechanical reduction gear.

4. A control device as claimed in the claim 3, wherein said single stage mechanical reduction gear is a planocentric reduction gear comprising a ring gear provided with a given number of teeth, eccentrically and idly mounted on the output shaft of said motor and connected to the output shaft of said reduction gear, said gear wheel meshing with the internal teeth of a stationary ring gear, the number of said internal teeth being greater than said given number number of teeth on said ring gear by one tooth.

5. A control device as claimed in claim 1, wherein said motor is an asynchronous single phase motor.

6. A control device as claimed in claim 1, said control device further comprising an eddy-current brake of the flux deviation type, coaxial to and partially housed inside of said motor, and an angular position detector secured to a shaft extension of said motor, said angular position detector being an optical encoder.

7. A control device as claimed in the claim 2, wherein said electronic unit comprises a power stage in which a single- phase waveform is transformed through a rectifier and an inverter into a three-phase system for feeding said motor, said inverter being driven by a Pulse Width Modulated generator controlled by a microcontroller in accordance with an algorithm processing detected data, calculated data and stored data, said stored data being stored in a non- volatile memory unit, and in that said detected data comprise the ON/OFF state of the drive control signals, the feedback of the current signal on the motor and the feedback of the angular position of the motor shaft.

8. A control device as claimed in claim 7, wherein said calculated data comprise

the speed of the motor shaft, and that said stored data comprise the limit switch positions, the steady state speed and torque, the transient gradients.

9. A control device as claimed in claim 8, wherein it comprises a thermal protection switch, whose circuit is fed in parallel to the motor and directly controlled by said electronic unit.

10. A control device as claimed in claim 1, wherein said control device has an eddy current brake device of the flux deviation type comprising a mobile part consisting of an iron cylinder (51), to the end of which a disk is fastened for supporting an annular clutch member pushed against a stationary contrast surface by a spring seated in a seat formed in the rotor of said motor, said rotor having a short circuit ring.

11. A control device as claimed in claim 1, said control device further comprising an eddy-current brake of the flux deviation type, coaxial to and partially housed inside of said motor, and an angular position detector secured to a shaft extension of said motor, said angular position detector being a magnetical encoder.

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